

Phosphate Rock Mining: 2002

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2002 Economic Census

Mining

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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CONTENTS

Introduction to the Economic Census	v
Mining	ix
Tables	
1. Historical Statistics for the Industry: 2002 and 1997	1
2. Industry Statistics for Selected States and Offshore Areas: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002	4
5. Industry Statistics by Type of Operation: 2002	5
6a. Products or Services Statistics: 2002 and 1997	6
6b. Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997	7
7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997	8
Appendixes	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1
-- Not applicable for this report.	

Table 1. Historical Statistics for the Industry: 2002 and 1997

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year	Com- panies ¹	All estab- lish- ments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expendi- tures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212392, Phosphate rock mining 2002.. 1997..	13 15	15 20	3 175 3 858	148 325 169 479	2 745 3 140	5 436 7 291	125 371 122 343	556 765 639 055	453 550 509 869	914 723 1 016 889	95 307 132 035

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States and Offshore Areas: 2002

[Offshore areas refer to those areas not associated with a state. States that are disclosures or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
		Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212392, Phosphate rock mining												
United States.....	1	15	10	3 175	148 325	2 745	5 436	125 371	556 765	453 550	914 723	95 307
Florida	—	7	5	2 129	99 180	1 872	3 703	85 294	381 779	353 554	670 217	65 116

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
212392, Phosphate rock mining	
Companies ¹	number.. 13
All establishments ²	number.. 15
Establishments with 0 to 19 employees	number.. 5
Establishments with 20 to 99 employees	number.. 1
Establishments with 100 employees or more	number.. 9
All employees for pay period including March 12	number.. 3 175
Total compensation	\$1,000.. 194 646
Annual payroll	\$1,000.. 148 325
Annual fringe benefits not included in payroll	\$1,000.. 46 321
Production, development, and exploration workers for pay period including March 12	number.. 2 745
Production, development, and exploration worker annual hours	1,000.. 5 436
Production, development, and exploration worker annual wages	\$1,000.. 125 371
Total cost of supplies	\$1,000.. 453 550
Supplies used, minerals received, and purchased machinery installed	\$1,000.. 250 152
Resales	\$1,000.. D
Purchased fuels consumed	\$1,000.. 14 895
Purchased electricity	\$1,000.. 122 414
Contract work	\$1,000.. D
Quantity of electricity purchased	1,000 kWh.. 2 685 043
Quantity of electricity generated less sold	1,000 kWh.. -
Total other expenses	\$1,000.. 70 484
Response coverage ratio ³	percent.. 87
Communications services	\$1,000.. D
Legal services	\$1,000.. D
Accounting, auditing, and bookkeeping services	\$1,000.. D
Advertising and promotional services	\$1,000.. D
All other expenses (not included above)	\$1,000.. 67 851
Total value of shipments and receipts for services	\$1,000.. 914 723
Primary products value of shipments	\$1,000.. D
Secondary products value of shipments and receipts for services	\$1,000.. -
Value of resales	\$1,000.. D
Value of primary products shipments or services produced in all industries	\$1,000.. 915 246
Value of primary products shipments or services produced in this industry	\$1,000.. D
Value of primary products shipments or services produced in other industries	\$1,000.. D
Value added	\$1,000.. 556 765
Total inventories, end of 2001	\$1,000.. 123 290
Mineral products, crude petroleum, and natural gas liquids inventories	\$1,000.. 107 171
Supplies, parts, fuels, etc., inventories	\$1,000.. 16 119
Total inventories, end of 2002	\$1,000.. 167 223
Mineral products, crude petroleum, and natural gas liquids inventories	\$1,000.. 143 797
Supplies, parts, fuels, etc., inventories	\$1,000.. 23 426
Gross book value of depreciable/depletable assets at beginning of year	\$1,000.. 2 281 548
Capital expenditures (except land and mineral rights)	\$1,000.. 95 307
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 94 895
Capital expenditures for mineral exploration and development	\$1,000.. 412
Capital expenditures for mineral land and rights	\$1,000.. D
Deductions from depreciable/depletable assets during year	\$1,000.. D
Gross book value of depreciable/depletable assets at end of year	\$1,000.. 2 317 457
Total depreciation/depletion charges during year	\$1,000.. 120 110
Total rental payments during year	\$1,000.. 27 261
Buildings and other structures	\$1,000.. 207
Machinery and equipment	\$1,000.. 27 054
Lease rents	\$1,000.. 3 459
Expensed mineral exploration, development, land, and rights	\$1,000.. 12 130

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212392, Phosphate rock mining											
All establishments	1	15	3 175	148 325	2 745	5 436	125 371	556 765	453 550	914 723	95 307
Establishments with—											
0 to 4 employees	4	5	10	325	7	14	220	1 000	337	975	77
5 to 9 employees	—	—	—	—	—	—	—	—	—	—	—
10 to 19 employees	—	—	—	—	—	—	—	—	—	—	—
20 to 49 employees	9	1	b	D	D	D	D	D	D	D	D
50 to 99 employees	—	—	—	—	—	—	—	—	—	—	—
100 to 249 employees	—	7	g	D	D	D	D	D	D	D	D
250 to 499 employees	9	1	e	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ³	9	2	a	D	D	D	D	D	D	D	D

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Type of Operation: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and type of operation	All establishments ¹		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total value of shipments and receipts for services (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)		
212392, Phosphate rock mining									
All establishments	15	10	3 175	148 325	2 745	5 436	125 371	556 765	914 723
Producing establishments	15	10	3 175	148 325	2 745	5 436	125 371	556 765	914 723
Mines or wells only	8	5	2 253	106 213	1 978	3 888	91 782	389 266	664 383
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	8	5	2 253	106 213	1 978	3 888	91 782	389 266	664 383
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—	—
Mines with preparation plants	7	5	922	42 112	767	1 548	33 589	167 499	250 340
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	7	5	922	42 112	767	1 548	33 589	167 499	250 340
Combination mines or other types of mines	—	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—	—
Undistributed ²	—	—	—	—	—	—	—	—	—
Nonproducing establishments	—	—	—	—	—	—	—	—	—

¹Includes establishments with payroll at any time during the year.

²Includes data for establishments that were not possible to classify based on information available.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products or Services Statistics: 2002 and 1997

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product or service code	Product or service	Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)
212392	Phosphate rock mining	2002.. X 1997.. X	X X	915 246 1 006 370
2123921	Crude phosphate rock (ore or matrix)	2002.. X 1997.. X	X X	D 55 888
21239211	Crude phosphate rock (ore or matrix)	2002.. X 1997.. X	X X	D 55 888
2123921100	Crude phosphate rock (ore or matrix) mil metric tons (dry basis) ..	2002.. 106.4 1997.. 162.3	D 4.3	D 55 888
2123923	Prepared phosphate rock	2002.. X 1997.. X	X X	D 950 482
21239231	Prepared phosphate rock	2002.. X 1997.. X	X X	D 950 482
2123923111	Washed and concentrated phosphate rock mil metric tons (dry basis) ..	2002.. 51.1 1997.. D	32.3 D	842 621 D
2123923131	Dried, calcined, sintered, or nodulized phosphate rock mil metric tons (dry basis) ..	2002.. D 1997.. D	D D	D D
212392W	Phosphate rock mining, nsk	2002.. X 1997.. X	X X	732 —
212392WY	Phosphate rock mining, nsk	2002.. X 1997.. X	X X	732 —
212392WYWT	Phosphate rock mining, nsk	2002.. X 1997.. X	X X	732 —

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Product or service class code	Product or service class and geographic area	Value of product shipments or receipts for services (\$1,000)
2123921	Crude phosphate rock (ore or matrix)	
	United States..... 2002..	D
	1997..	55 888
2123923	Prepared phosphate rock	
	United States..... 2002..	D
	1997..	950 482
	Florida 2002..	669 704
	1997..	740 409

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Supply or fuel code	Supply or fuel consumed	Quantity	Delivered cost (\$1,000)
212392	Phosphate rock mining		
	Supplies consumed by type		
21239003	Crude minerals, received for preparation mil metric tons (dry basis) .. 2002..	D	D
	..... 1997..	-	-
21239005	Crude minerals, mined and prepared at same establishment mil metric tons (dry basis) .. 2002..	130.8	X
	..... 1997..	157.6	X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation 2002..	X	46 479
	..... 1997..	X	98 240
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment 2002..	X	93 063
	..... 1997..	X	104 313
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) excluding explosive materials and blasting accessories 2002..	X	54 388
	..... 1997..	X	33 257
32592001	Explosive materials (including ammonium nitrate) and blasting accessories 2002..	X	D
	..... 1997..	X	D
33120059	Steel shapes and forms (excluding castings and forgings) 2002..	X	34 277
	..... 1997..	X	D
00970098	All other supplies 2002..	X	D
	..... 1997..	X	49 898
00973000	Undistributed minerals, purchased machinery, parts, attachments, and supplies used 2002..	X	611
	..... 1997..	X	325
	Fuels consumed by type		
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons .. 2002..	D	D
	..... 1997..	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 bbl .. 2002..	231.3	8 391
	..... 1997..	315.1	10 305
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 bbl .. 2002..	D	D
	..... 1997..	108.6	2 391
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft .. 2002..	S	1 077
	..... 1997..	.7	2 202
32411015	Gasoline used as a fuel mil gal .. 2002..	D	D
	..... 1997..	1.4	1 520
00974000	Undistributed fuels 2002..	X	2 825
	..... 1997..	X	D

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.